Panasonic

Digital Cordless Phone

Model No. KX-TCD950E-B

Operating Instructions

PLEASE READ BEFORE USE AND SAVE.

Charge the battery for about 3 hours before initial use.

This equipment is not designed for making emergency telephony calls when the power fails. Alternative arrangements should be made for access to emergency services.

Important Information

APPROVED for connection to telecommunication systems specified in the instructions for use subject to the conditions set out in them.

608310

Do not connect the AC adaptor to any AC outlet other than the standard AC 230–240 V, 50 Hz.

- Outlet voltage DC1 8 V, 300 mA
  Outlet voltage DC2 9 V, 200 mA
- The apparatus is approved for use with the KX-TCA9E power supply.
- CAUTION: Do not remove cover. Live parts inside.

This apparatus has been approved for the use of the following facilities:

1) Storage of telephone numbers for retrieval by a predetermined code
2) Last number redial
3) Simple telephone facility
4) PBX earth register recall
   PBX timed break register recall
5) MF signalling
6) LD signalling
7) Pause
8) 1 way paging
9) Call prohibition
10) Call restriction
11) Direct call
12) Intercom between handsets
13) Transferring a call from one handset to another
14) Conference
15) Setting the call waiting tone
16) Accessing the base unit

Any other usage will invalidate the approval of the apparatus if as a result, it then ceases to conform to the standards against which approval was granted.

Ringer Equivalence Number (REN):
This relates to the performance of the apparatus when used in combination with other items of apparatus. It enables the calculation of the maximum number of items of apparatus that may be connected simultaneously to the line by summing the REN values of each item. A BT supplied instrument has a REN value of 1 unless otherwise marked.

A maximum REN value of 4 should not be exceeded. The REN value of this apparatus is 1.

Method of connection
This is connected to the exchange line or PABX/PMBX (Private Automatic/ Manual Branch Exchange) extension by the new standard British Telecom plug and socket. Arrangements for provision of this type of termination can be made through the nearest British Telecom Sales Office. The apparatus may be connected to the following types of installation. The apparatus has been approved for use under the following conditions:

a) This apparatus may be used on telecommunication systems employing LD and MF signalling. It is suitable for connection to a direct exchange line on the PSTN (Public Switched Telephone Network) or via a compatible PBX (Private Branch Exchange). (Contact the supplier for an up to date list of compatible PBX's.)

b) This apparatus is not suitable as an extension to a payphone or for use on a party line with shared service.

This cordless telephone has been designed to operate on radio frequencies which have been assigned to the exclusive use of cordless telephones. As the use of cordless telephones becomes more widespread users may experience a reduction in the quality of service obtainable from this apparatus.

There is a possibility of occurrence of overhearing between cordless telephones operating on the same radio channel. And such interference may increase with greater usage of cordless telephones.

999 or 112 can be dialled on the apparatus for the purposes of making outgoing calls to the BT Emergency (999 or 112) Service.

WARNING:
The apparatus may be unable to make emergency 999 or 112 telephone calls, under certain conditions, e.g.

- Radio interference caused by another cordless telephone operating on the same radio frequency.
- The portable handset battery needs recharging, or has failed.
- The portable handset cannot be used while charging.

Any cases of difficulty should be referred in the first instance to the supplier of the apparatus.

NOTE:
If you experience any problems with the normal use of your apparatus, you should unplug it from the telephone outlet and connect a known working telephone in its place. If the known working telephone still gives problems, then please contact the customer service department of your PSTN operator. If it operates properly, then the problem is likely to be a fault in your apparatus. In this case, contact your supplier for advice. Your PSTN operator may charge you if they attend a service call that is not due to apparatus supplied by them.

Before Initial Use

Thank you for purchasing your new Panasonic digital cordless telephone.

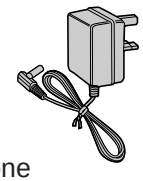
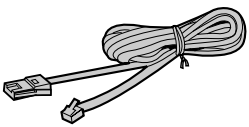
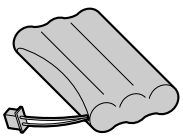
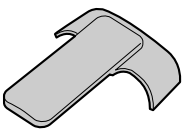
For your future reference

Serial No. _____ Date of purchase _____

(found on the bottom of the unit)

Name and address of dealer _____

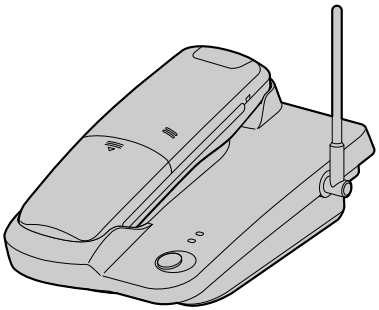
Included with this unit

☐ AC Adaptor (p. 12) Order No. KX-TCA9E  one	☐ Telephone Line Cord (p. 12) Order No. PQJA87S  one	☐ Battery (p. 12) Order No. KX-TCA10CE  one
☐ Handset Cover (p. 12) Order No. PQYNTCD950E one	☐ Handset Clip (p. 19) Order No. PQKE10071Z1  one	

For Best Performance

Battery Charge

A rechargeable Nickel-Metal Hydride (Ni-MH) battery powers the handset. Install the battery (p. 12) and charge it for **about 3 hours** before initial use (p. 14).

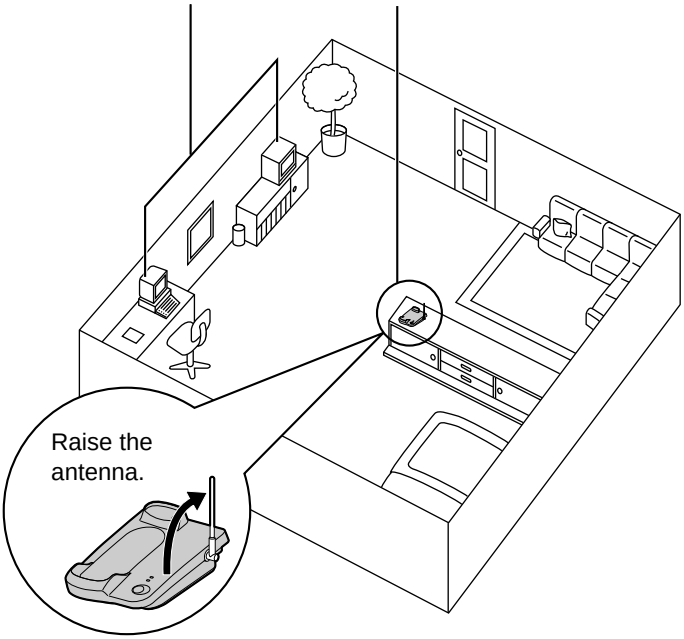


Operating Distance/Noise Elimination

Calls are transmitted between the base unit and the handset using wireless radio waves. **For maximum distance and noise free operation,** the recommended base unit location is:

Away from electrical appliances such as a TV, radio, personal computer, or another telephone.

In a HIGH and CENTRAL location with no obstructions such as walls.



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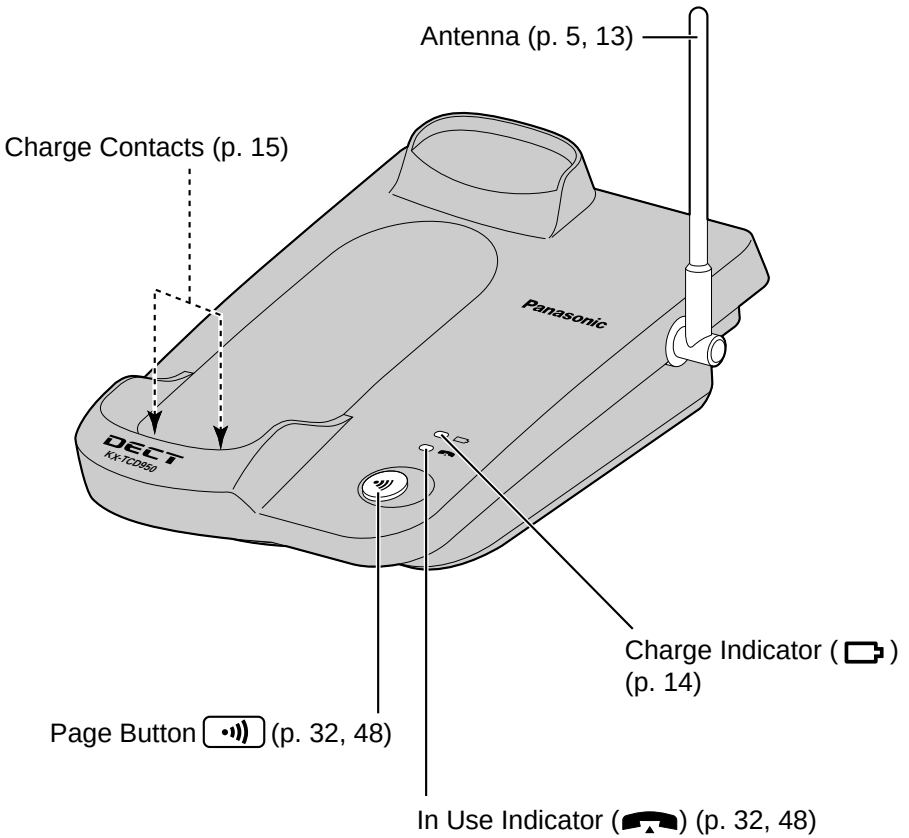
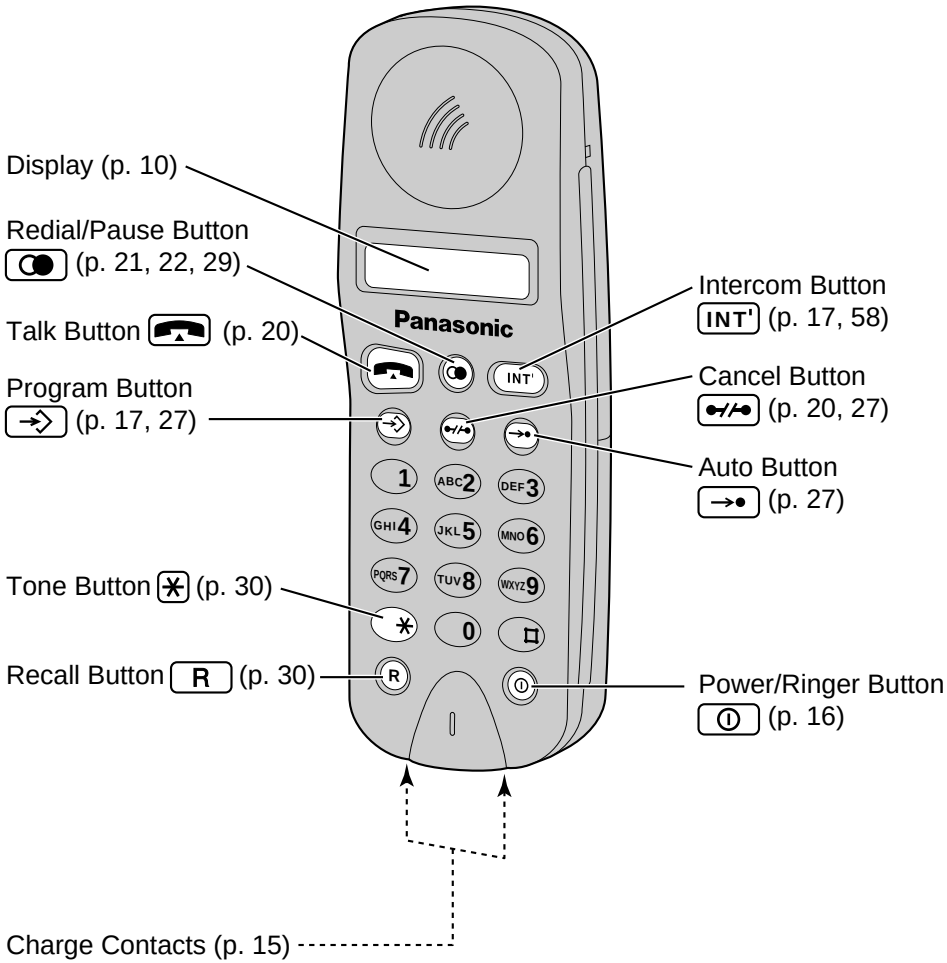
Location of Controls

Base unit



Handset

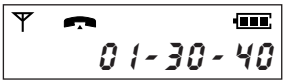

Display (p. 10)
Redial/Pause Button (p. 21, 22, 29)
Talk Button (p. 20)
Program Button (p. 17, 27)
Tone Button (p. 30)
Recall Button R (p. 30)
Charge Contacts (p. 15)
Intercom Button INT' (p. 17, 58)
Cancel Button (p. 20, 27)
Auto Button (p. 27)
Power/Ringer Button (p. 16)
Panasonic
INT'
1
ABC 2
DEF 3
GHI 4
JKL 5
MNO 6
PQRS 7
TUV 8
WXYZ 9
0
R

Location of Controls

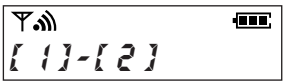
Handset display

This display shows all of the possible configurations.

The handset is in the stand-by mode.
The base unit number is displayed (p. 16).
You can select displaying either the base unit number, handset number or no display by programming (p. 52).



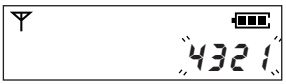
The display shows the length of the call during a conversation. (Ex: 1 hour, 30 minutes, and 40 seconds)
You can select displaying either the length of the call or dialled telephone number display by programming (p. 42).



The paging and paged handset numbers are displayed. (Ex. Handset 1 is paging handset 2.)

The length of the intercom call between the handsets is displayed (p. 58).

When you press (Talk), " " is displayed. The call prohibition mode is set to ON (p. 36). To cancel the mode, see page 37.



When dialling, the dialled phone number flashes. The dialled number is a restricted number (p. 38). To cancel the number, see page 39.

The key lock mode is ON. To cancel the mode, see page 32.

Symbols

	The handset is in range of the base unit. Receiving/dialling/programming functions can be performed.
(Flashing)	The handset is out of range. Move closer to the base unit.
(Flashing)	The handset is being paged from another unit.
	The handset is paging another unit and/or the unit is in the intercom mode (p. 58).
	The unit is making or answering a call.
(Flashing)	An outside call is received.
	The unit is in the direct call mode (p. 40).
	The unit is in the call prohibition mode (p. 36).
	The unit is in the programming mode (p. 17, 27).
	The present battery strength is displayed (p. 14).

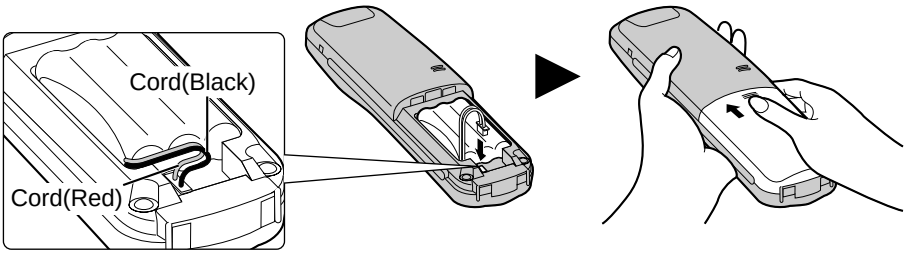
Characters

	(Redial/Pause) is pressed during dialling or while storing a phone number.
	R (Recall) is pressed when dialling in the TONE mode.
	is pressed when dialling in the TONE mode.
	is pressed when dialling in the TONE mode.

Settings

Installing the Battery in the Handset

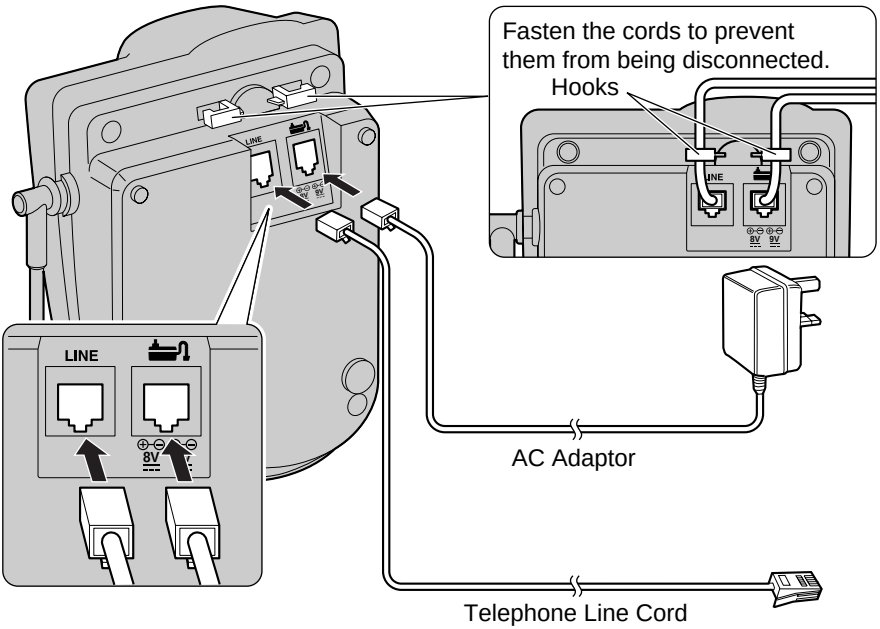
Install the battery and the battery cord as shown. Then install the handset cover.



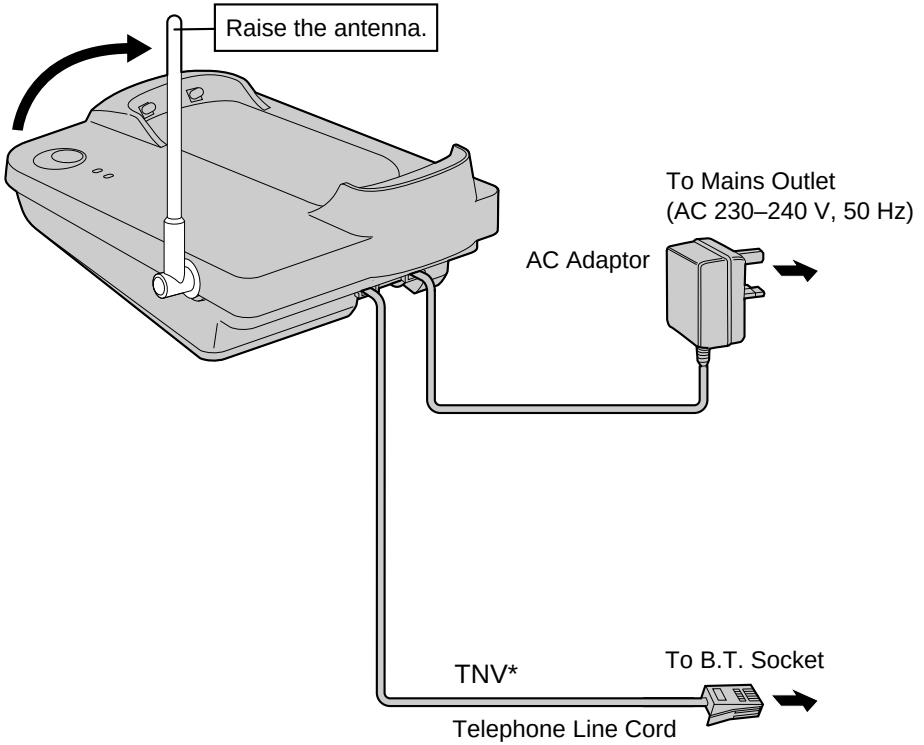
- If the rechargeable battery is not inserted correctly, the handset will not work.

Connections

1 Plug in the AC adaptor cord and the telephone line cord to the bottom of the unit.



2 Connect the cords as shown.



- USE ONLY WITH Panasonic AC ADAPTOR KX-TCA9E.
- Be sure not to confuse the telephone line jack with the AC adaptor jack on the base unit. If connected improperly, the base unit will not work and damage may occur.
- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- To connect a standard telephone on the same line, see page 71.

*• The abbreviation TNV means "Telephone Network Voltage".

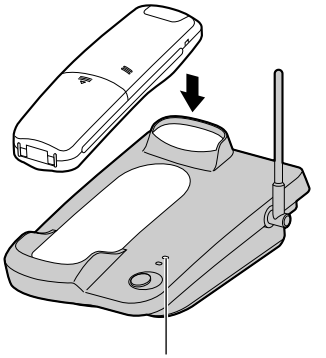
CONNECTION OF POWER SUPPLY

This apparatus is intended for use when powered by the KX-TCA9E.
Using other power supplies will invalidate any approval given to this apparatus.

Battery Charge

At the time of shipment, the battery is not charged. To charge, place the handset on the base unit. Please charge the battery for at least **3 hours** before initial use.

- Once the handset is placed on the base unit, the charge indicator ( ) lights.



Charge Indicator ( )

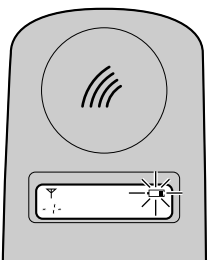
Battery strength

You can check the present battery strength on the display.
The battery strength is as shown in the chart below.

Display prompt	Battery strength
	The battery is fully charged.
	The battery strength is medium.
	The battery strength is low.
(Flashing)	The battery needs to be charged.

Recharge

When " " flashes or the unit beeps every 15 seconds, recharge the battery.



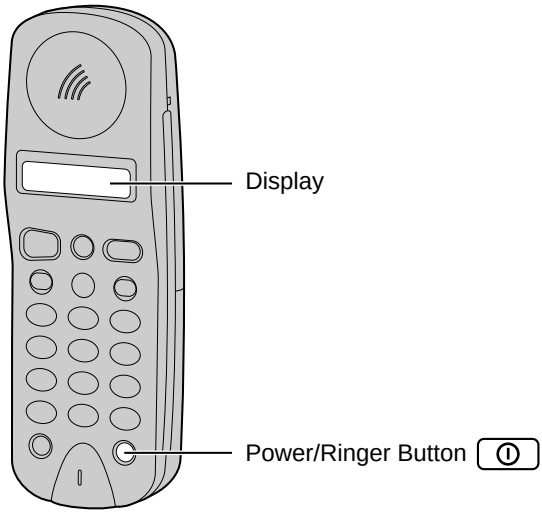
Battery information

If your Panasonic battery is fully charged:

Operation	Approx. battery life
While in use (Talk)	Up to about 12 hours
While not in use (Stand-By)	Up to about 150 hours

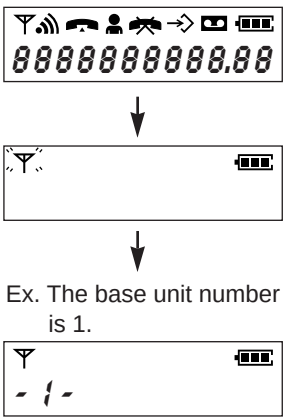
- Battery life may vary depending on usage conditions and ambient temperature.
- **Clean the handset and the base unit charge contacts with a soft dry cloth once a month. Clean more often if the unit is subject to grease, dust or high humidity.** If not, the battery may not charge properly.
- If the battery is fully charged, you do not have to place the handset on the base unit until " " flashes. This will maximize the battery life.
- The battery cannot be overcharged.
- See "Important Notice Concerning the Correct Use and Charging of a Ni-MH Battery" on p. 77.

Turning the Power ON



Press (Power/Ringer) briefly.

- The current connected base unit number is displayed.
- You can select displaying either the base unit number, handset number or no display by programming (p. 52).
- The handset is in the stand-by mode.



Ex. The base unit number is 1.

To turn the power OFF, press (Power/Ringer) firmly.

- The display will go blank.
- The handset will not ring.
- Depending on the programming mode, you can't turn the power off. Make sure that the handset is set to the stand-by mode first.

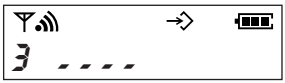
Selecting the Dialling Mode

You can program the dialling mode **by using the handset near the base unit.** If you have touch tone service, set to TONE. If rotary or pulse service is used, set to PULSE. The factory preset is 1 (TONE).

Be sure that the power is ON (p. 16) and you are in the stand-by mode.

1 Press [→] (Program), then [INT'] (Intercom).
- "→" and "((·))" are displayed.

2 Press [3].

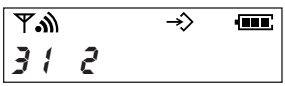


3 Enter the base unit password.
- The factory preset of the base unit password is 0000. If you have changed the base unit password (p. 35), enter the new password.

4 Press [1].
- The current setting is displayed.

5 To select PULSE, press [2].
OR
To select TONE, press [1].

Ex. PULSE is selected.



6 When finished, press [→] (Program).
- A confirmation tone sounds.
- "→" and "((·))" go out.

- To cancel during programming, press [→] (Program), then start from step 1.

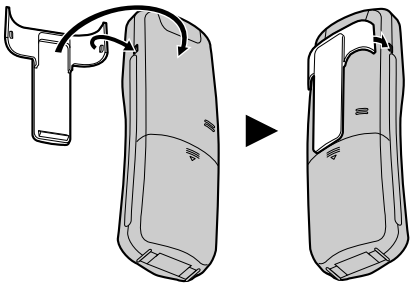
Settings

You can determine which type of local BT exchange you are connected to using the following procedure.

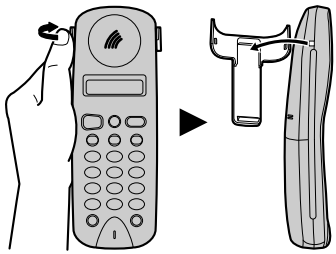
1. Ensure that the dialling mode is selected to TONE.
2. Press (Talk), then identify the dial tone.
3. Dial a number you are familiar with.
4. If the call is successful, you are connected to a tone exchange. Therefore, leave the dialling mode as TONE.
5. If the call is not successful, you are connected to a pulse exchange. Therefore, set the dialling mode to PULSE.

Installing the Handset Clip

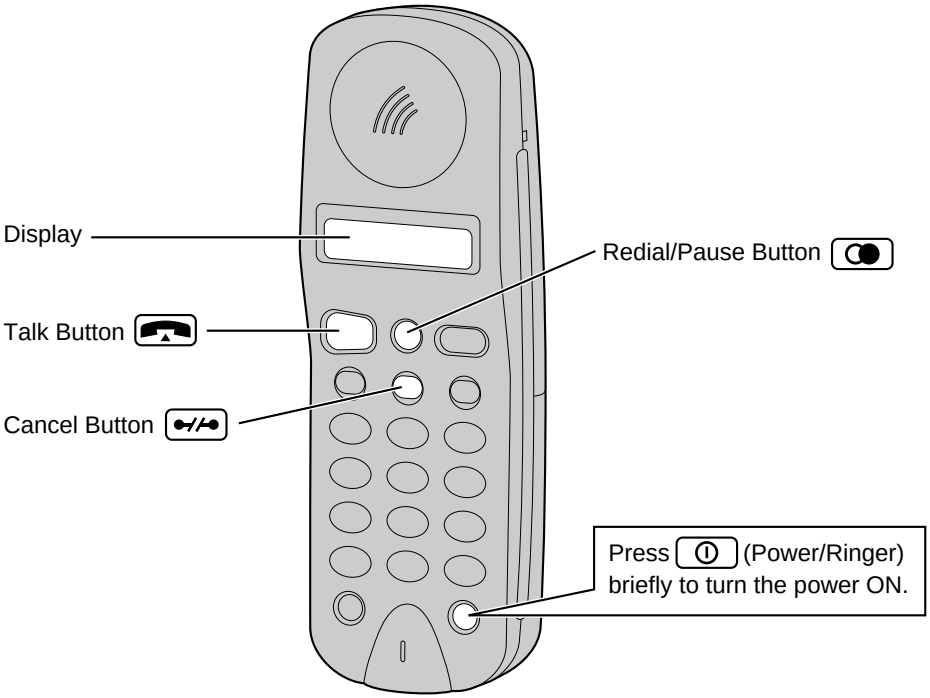
If necessary, you can attach the handset clip so you can hang the handset on your belt or pocket.



To remove the handset clip



Making Calls

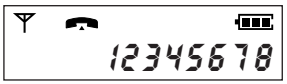


1 Press (Talk).

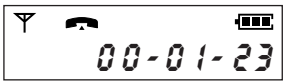
- " " is displayed.

2 Dial a phone number.

- If you misdial, press (Cancel) then dial again.
- The dialled number is displayed.
- The display starts showing the length of the call about 7 seconds after dialling the last digit (p. 42).



Ex. The length of the call is displayed.

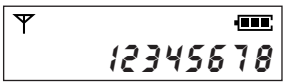


3 To hang up, press (Talk) or place the handset on the base unit.

- " " goes out.
- The length of the call will remain on the display for about 5 seconds.

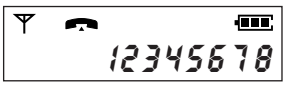
To dial after confirming the entered number

1 Enter a phone number.

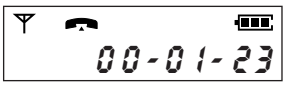


- If you misdial while dialling a number;
  To erase one digit, press (Cancel) briefly.
  To erase all of the digits, press (Cancel) firmly.
  Then you can dial the correct number.

2 Press (Talk).



- " " is displayed.
- The display starts showing the length of the call about 7 seconds after dialling the last digit (p. 42).



- If " " flashes and an alarm tone sounds after pressing to make a call, move closer to the base unit. Then try again.
- If busy tones sound after pressing to make a call, another handset (p. 48) is in use.

To redial the last number

Press (Talk), then press (Redial/Pause).

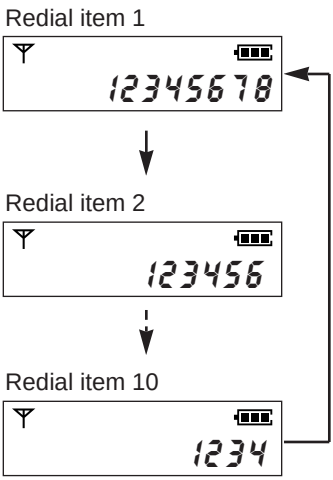
- The last number dialled is redialled automatically.
- Each time a different number is dialled, it overwrites the previous entered number.

To redial after confirming the numbers in redial memory

The unit automatically stores the last 10 numbers dialled into redial memory.

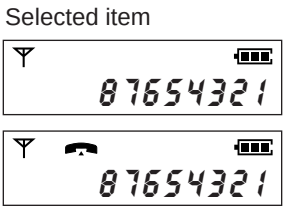
1 Press (Redial/Pause) to select the desired phone number. You can scroll through the numbers by pressing (Redial/Pause).

- To return the stand-by mode, press (Cancel) firmly.



2 After confirming the number on the display, press (Talk).

- The unit automatically dials the phone number.



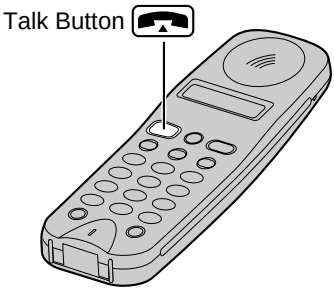
To clear all numbers in the redial memory, press (Program). Then press 9 and (Program).

Answering Calls

Make sure that the power is ON (p. 16), or the handset will not ring.

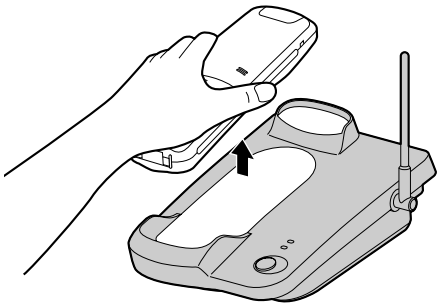
1 If the handset is off the base unit, press (Talk).

- The display starts showing the length of the call.



OR

If on the base unit, just lift up.



2 To hang up, press (Talk) or place the handset on the base unit.

- The length of the call remains on the display for about 5 seconds.

- When the power is turned OFF, the unit will not ring.

Setting the Receiver Volume

You can program the handset receiver volume (3 levels) according to your needs. The lowest setting is 1 and the highest setting is 3.
The factory preset is 2.

1 Press [→] (Program).
- "→" is displayed.

2 Press [6].
- The current handset receiver volume is displayed.

3 Press a button [1] to [3] to select the receiver volume.
- The selected receiver volume is displayed.

Ex. 3 is selected.

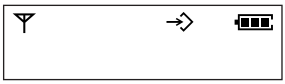
4 When finished, press [→] (Program).
- A confirmation tone sounds.
- "→" goes out.

- You can perform this programming during a conversation.
  In step 4, a confirmation tone will not sound while in the talk mode.

Setting the Ringer Volume

You can program the handset ringer volume (6 levels) according to your needs. The lowest setting is 1 and the highest setting is 6. The factory preset is 3.

1 Press → (Program).



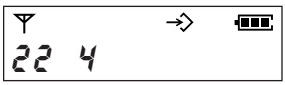
2 Press 2 twice.

- The current handset ringer volume is displayed and rings.

3 Press a button 1 to 6 to select the ringer volume.

- The selected ringer volume is displayed and rings.

Ex. 4 is selected.



4 When finished, press → (Program).

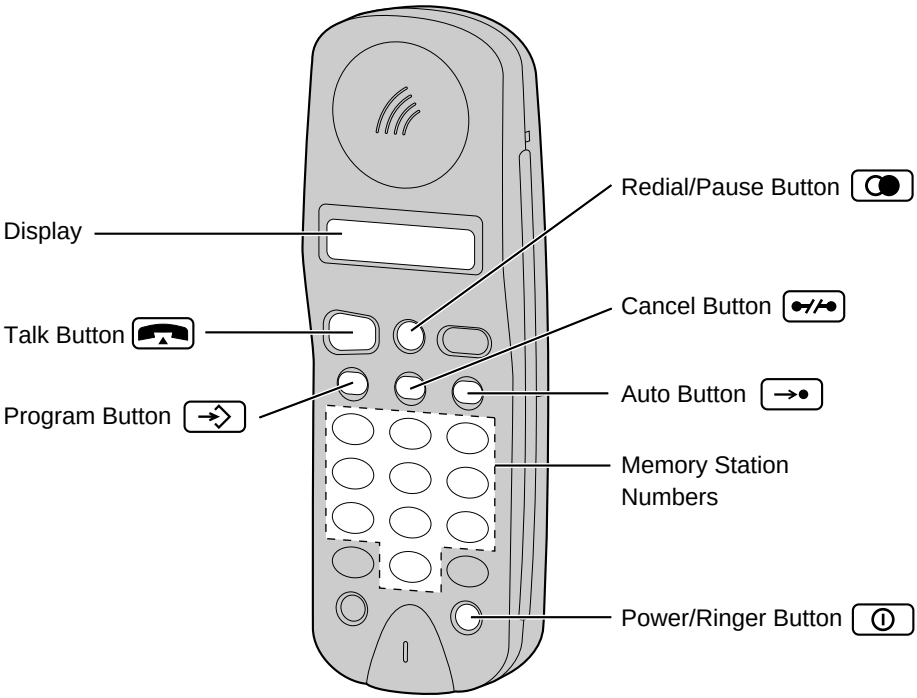
- A confirmation tone sounds.

Automatic Dialling

Storing Phone Numbers in Memory

You can store up to 10 phone numbers in the handset.
The dialling buttons (0 to 9) function as memory stations.

Be sure that the power is ON (p. 16) and you are in the stand-by mode.



Memory sticker

Use the included memory sticker as a name or phone number index for automatic dialling. Attach the sticker to the unit or in a convenient place.

1	6
2	7
3	8
4	9
5	0

1 Press [→] (Program).
- "→" is displayed.

2 Press [→•] (Auto).

3 Press a memory station number ([0] to [9]).
- The current stored number is displayed.

4 Enter a phone number up to 24 digits.
- The entered number is displayed.
- If you misdial while dialling a number;
  To erase one digit, press [•/-•] (Cancel) briefly.
  To erase all of the digits, press [•/-•] (Cancel) firmly.

5 When finished, press [→] (Program).
- A confirmation tone sounds.
- "→" goes out and the number is stored in the memory station.

- If a pause is required for dialling, [↺] (Redial/Pause) can be stored in a phone number counting as one digit (p. 29).

To erase a stored number

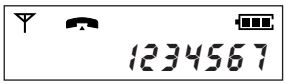
1. Press [→] (Program).
2. Press [→•] (Auto).
3. Press the memory station number ([0] to [9]) for the phone number to be erased.
4. Press [•/-•] (Cancel).
5. When finished, press [→] (Program).

Dialling a Stored Number

1 Press (Talk).

2 Press (Auto).

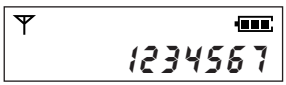
3 Press a memory station number (0 to 9).
- The stored number is dialled.



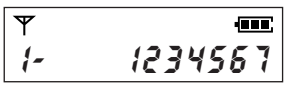
To dial after confirming the phone number

1 Press (Auto).

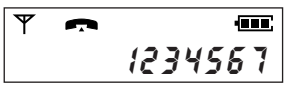
2 Press the memory station number (0 to 9).
OR
Press (Auto) repeatedly to find the number you want to dial.
- To return the stand-by mode, press (Cancel) firmly.

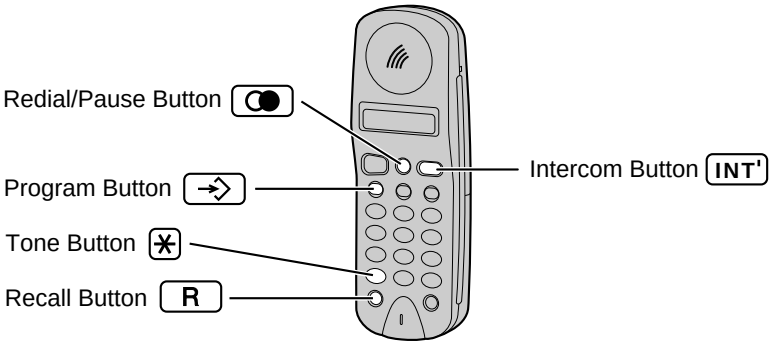


OR



3 Press (Talk).
- The stored number is dialled.





How to Use the Pause Button

(For Analogue PBX Line/Long Distance Service Users)

We recommend you press (Redial/Pause) if a pause is required for dialling with a PBX or to access a long distance service.

Ex: Line access number 9 (PBX)

9 ➡ (Redial/Pause) ➡ Phone number

- Pressing (Redial/Pause) once creates a pause.
  This prevents misdialling when you redial or dial a stored number.
- Pressing (Redial/Pause) more than once increases the length of the pause between numbers.

Setting the pause timing

You can select the pause timing, 3 seconds or 5 seconds, according to your PBX requirements. The factory preset is 1 (3 seconds).

1. Press (Program), then INT' (Intercom).
2. Press 3.
3. Enter the base unit password (p. 35).
4. Press 3.
   - The current pause timing is displayed.
5. To select 5 seconds, press 2.
   OR
   To select 3 seconds, press 1.
   - The setting is displayed.
6. When finished, press (Program).
   - A confirmation tone sounds.

Temporary Tone Dialling (For Rotary or Pulse Service Users)

Before dialling access numbers which require tone dialling, you must press the following buttons.

1. Press [→◇] (Program).
2. Press [✳] (Tone).
3. Press [→◇] (Program).

- The dialling mode changes to tone. You can enter numbers to access an answering system, electronic banking service, etc. When you hang up, the mode will return to pulse.

Using the Recall Feature

[R] (Recall) is used to access special telephone services (optional) such as call waiting. Contact your telephone company business office for details.

Example: British Telecom call waiting

When a call waiting tone is heard during a conversation:

a) **To hold the existing call and accept the waiting call**
Press [R] (Recall).
- Each time you press [R] (Recall), you can switch between the first and second call.

b) **To accept the waiting call and hang up the existing call**
Press [☎] (Talk). When the unit rings, press [☎] (Talk) to answer the new call.

c) **To reject the waiting call**
Wait for the call waiting to time out. This will take about 40 seconds.

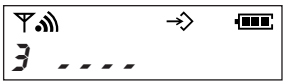
If your unit is connected to a PBX, pressing [R] (Recall) allows you to access some features of your host PBX such as transferring an extension call.

Setting the FLASH/EARTH mode

If your unit is installed behind a PBX with an earth function, you must select the earth mode. The factory preset is "1" (FLASH).

1 Press → (Program), then INT' (Intercom).

2 Press 3.



3 Enter the base unit password (p. 35).

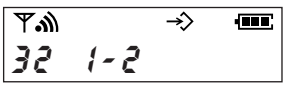
4 Press 2.
- The current setting is displayed.

5 To select "EARTH", press 2.
OR
To select "FLASH", press 1, then 2.

Ex. EARTH is selected.

OR

Ex. FLASH is selected.

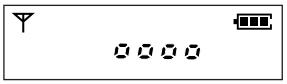


6 When finished, press → (Program).
- A confirmation tone sounds.

Setting the Key Lock

You can lock the handset dialling buttons. Incoming calls can be answered, but outgoing calls can not be dialled until the key lock is cancelled.

When the unit is in the stand-by mode, press and hold (Program) for about 2 seconds.



- "0000" is displayed.
- A confirmation tone sounds.
- If you press (Talk) to answer a call, all of the dialling buttons will unlock and "0000" goes out. When you press (Talk) to hang up, the buttons will lock and "0000" will be displayed again.

Cancelling the key lock

Press and hold (Program) again for about 2 seconds.

- "0000" goes out.

- The key lock will be also cancelled when the power is turned OFF (p. 16).

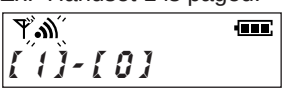
Handset Locator

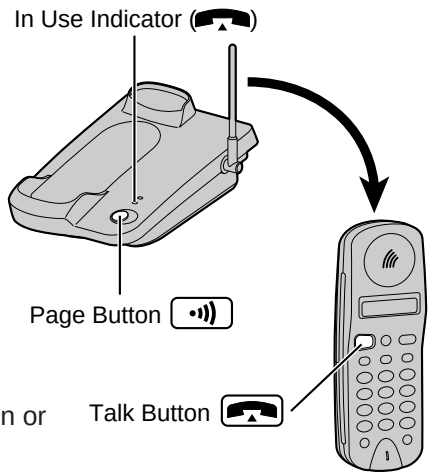
From the base unit you can locate the handset or page a person at the handset with ring tones.

Press (Page).

- The in use indicator ( ) flashes.
- The handset rings for 1 minute and " " flashes.
- The base unit number is displayed as [0] while paging.

Ex. Handset 1 is paged.





- To stop paging, press (Page) again or press (Talk) on the handset.

Summary of Programming Features

This unit has base unit programming and handset programming modes.

Be sure that the power is ON (p. 16), you are in the stand-by mode, and the handset is near the base unit. See the noted pages for details.

The base unit program mode has the following functions.

- **To set the Dialling Mode**, see page 17.
- **To set the Pause Timing**, see page 29.
- **To set the FLASH/EARTH Mode**, see page 31.
- **To change the Base Unit Password**, see page 35.
- **To set the Call Restriction**, see page 38.
- **To clear the Settings in Base Unit Memory**, see page 46.
- **To cancel a Handset**, see page 50.
- **To select "Cyclic"**, see page 54.
- **To select the Handset(s)**, see page 55.
- **To select the First Handset**, see page 56.
- **To select All Handsets**, see page 57.

The handset program mode has the following functions.

- **To clear Redial Memory**, see page 22.
- **To set the Receiver Volume**, see page 24.
- **To set the Handset Ringer Volume**, see page 25.
- **To change the Handset Password**, see page 34.
- **To set the Call Prohibition**, see page 36.
- **To set the Direct Call Mode**, see page 40.
- **To select the Talk Mode Display**, see page 42.
- **To set the Handset Ringer Pattern**, see page 43.
- **To set the Key Tones**, see page 43.
- **To set the Range Warning Alarm**, see page 44.
- **To set the Battery Low Alarm**, see page 44.
- **To clear the Settings in Handset Memory**, see page 45.
- **To register a Handset in the Base Unit**, see page 48.
- **To cancel a Base Unit**, see page 51.
- **To select the Stand-by Mode Display**, see page 52.
- **To set the Call Waiting Tone**, see page 61.
- **To set the Base Unit Access**, see page 69.

Helpful hints for programming

- To cancel during programming, press (→) (Program), then start from the beginning.
- If 5 beeps sound during programming, a wrong key was pressed. Enter the correct number again.
- To return to the previous step during programming halfway, press (•/-•) (Cancel).

Setting the Password

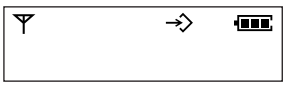
On the handset

You can program the password according to your needs. The factory preset is 0000. Changing the password may prevent the unauthorized use of your unit by another person.
You need to enter this password when using the following features.

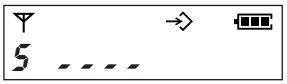
- Setting the Call Prohibition (p. 36)
- Clearing the Settings in Handset Memory (p. 45)
- Cancelling a Base Unit (p. 51)

Once you have programmed the password, you cannot confirm it.
We recommend you write down the password. If you forget it, please consult with your nearest Panasonic Service Center.

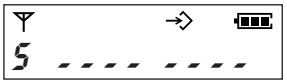
1 Press [→] (Program).
- "→" is displayed.



2 Press [5].



3 Enter the current handset password.



4 Enter the new password using a 4 digit number **twice**.
- If you misdial, press [C/-] (Cancel) and enter the number twice again.
- A confirmation tone sounds.
- "→" goes out and the handset password is stored.

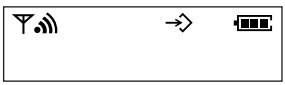
On the base unit

You can program the password according to your needs. The factory preset is 0000. Changing the password may prevent the unauthorized use of your unit by another person.
You need to enter this password when using the following features.

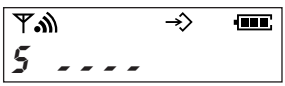
- Setting the Dialling Mode (p. 17)
- Setting the Pause Timing (p. 29)
- Setting the FLASH/EARTH Mode (p. 31)
- Setting the Call Restriction (p. 38)
- Clearing the Settings of the Base Unit Memory (p. 46)
- Registering a Handset in the Base Unit (p. 48)
- Cancelling a Handset (p. 50)
- Selecting "Cyclic" (p. 54)
- Selecting the Handset(s) (p. 55)
- Selecting the First Handset (p. 56)
- Selecting All Handsets (p. 57)

Once you have programmed the password, you cannot confirm it.
We recommend you write down the password. If you forget it, please consult with your nearest Panasonic Service Center.

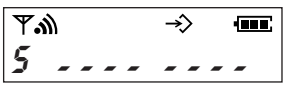
1 Press [→] (Program), then [INT'] (Intercom).
- " → " and " " are displayed.



2 Press [5].



3 Enter the current base unit password.



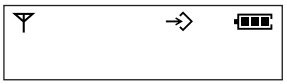
4 Enter the new password using a 4 digit number **twice**.
- If you misdial, press [C/-] (Cancel) and enter the number twice again.
- A confirmation tone sounds.
- " → " and " " go out and the base unit password is stored.

Call Prohibition

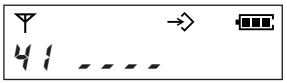
You can prohibit anyone from making a call with your handset except for emergency calls (999, 112).
Only incoming calls are accepted. The factory preset is 0 (OFF).

Setting the Call Prohibition Mode

1 Press [→] (Program).



2 Press [4], then [1].



3 Enter the handset password (p. 34).
- The current setting is displayed.

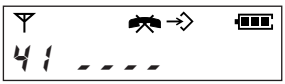
4 Press [1] (ON).

5 When finished, press [→] (Program).
- A confirmation tone sounds.
- " " is displayed.
- The unit will switch to the call prohibition mode.

Cancelling the call prohibition mode

1 Press [→] (Program).

2 Press [4], then [1].



3 Enter the handset password (p. 34).
- The current setting is displayed.

4 Press [0] (OFF).

5 When finished, press [→] (Program).
- A confirmation tone sounds.
- " " goes out.
- The unit will cancel the call prohibition mode.

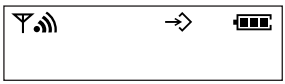
- In case you forget your PIN code, please consult with your nearest Panasonic Service Center.

Call Restriction

You can restrict desired handset(s) from dialling selected telephone numbers. For selected handset(s), you can assign up to 6 call restriction numbers (up to 8 digits). After storing, all telephone numbers beginning with the restricted digits cannot be dialled out. For example, if "00" is assigned as the call restriction number, international calls cannot be made. The factory preset is OFF.

Setting the Call Restricted Handset(s) and Call Restriction Number(s)

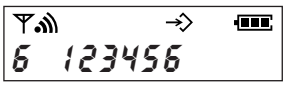
1 Press → (Program), then INT' (Intercom).



2 Press 6.

3 Enter the base unit password (p. 35).

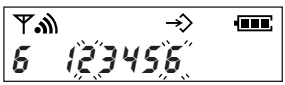
- The current registered handset number(s) is/are displayed.
- The current restricted handset number(s) is/are flashing.



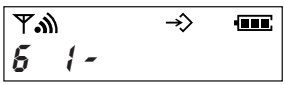
4 Press the handset number(s) which you wish to restrict using the dialling buttons.

- The selected handset number(s) flash(es).
- If you misdial, press the number(s) again.

Ex. Handsets 2 and 6 are restricted.



5 Press → (Program).



6 Enter a call restriction number up to 8 digits.

- If you misdial, press (Cancel) and enter the number again.

Ex. 0190 is entered.

7 Press (Program).

- The call restriction number is stored.
- A confirmation tone sounds.
- To set the next call restriction number, enter the number, then press (Program).

8 When finished, press (Program).

- A confirmation tone sounds.

Cancelling the call restricted handset(s)

Follow steps 1 to 3. In step 4, enter the desired handset number(s).

- The cancelled handset number(s) stop(s) flashing.

When finished, press (Program) until you return to the stand-by mode.

Cancelling the call restriction number(s)

Follow steps 1 to 4. In step 5, press (Program) until the call restriction number you wish to cancel is displayed.
Then press (Cancel).

- The call restriction number is cleared.

When finished, press (Program) until you return to the stand-by mode.

Direct Call

You can store a number in the direct call memory. This feature allows you to make a call easily by pressing (Talk).
You can store a direct call number in each handset, if more than one handset is registered (p. 48).

Setting the Direct Call Mode

After storing the direct call number, the unit will automatically switch to the direct call mode.

1 Press (Program).

2 Press 4, then 2.

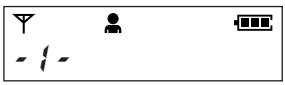
- The current stored number is displayed.
- If the current stored number is the same as the number you wish to set, skip to step 4.

3 Enter the phone number up to 24 digits.

- If you misdial, press (Cancel) and enter the number again.

4 When finished, press (Program).

- A confirmation tone sounds.
- " " is displayed.
- The unit will automatically switch to the direct call mode.



Dialling a Stored Number

Make sure that " " is displayed, then press (Talk).

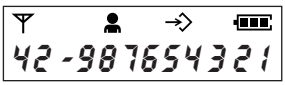
- The number stored in the direct call memory is dialed automatically.

Cancelling the direct call mode

1 Press (Program).

2 Press 4, then 2.

- The current stored number is displayed.



3 When finished, press (Program).

- A confirmation tone sounds.
- " " goes out.
- The direct call mode is cancelled.

Selecting the Talk Mode Display

You can select displaying either the length of the call or the dialled telephone number while in the talk mode. The factory preset is 1 (length of the call).

1 Press → (Program).

2 Press 3, then 2.

- The current setting is displayed.

3 To select "dialled telephone number", press 0.
OR
To select "length of the call", press 1.

- The setting is displayed.

Ex. "Dialled telephone number" is selected.

4 When finished, press → (Program).

- A confirmation tone sounds.

Setting the Ringer Pattern

You can program the handset ringer pattern (6 patterns) according to your needs. The factory preset is pattern 1.

1 Press → (Program).

2 Press 2, then 3.

- The current handset ringer pattern is displayed and rings.

3 Press a button 1 to 6 to select the ringer pattern.

- The selected ringer pattern is displayed and rings.

Ex. 4 is selected.

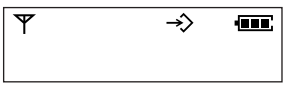
4 When finished, press → (Program).

- A confirmation tone sounds.

Setting the Key Tones

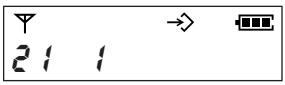
You can select whether the handset keys sound tones or not (key tone, confirmation tone, error tone). The factory preset is 1 (ON).

1 Press → (Program).



2 Press 2, then 1.

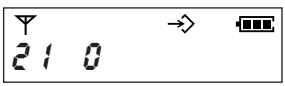
- The current setting is displayed.



3 To select OFF, press 0.
OR
To select ON, press 1.

- The setting is displayed.

Ex. OFF is selected.



4 When finished, press → (Program).

- If ON is selected, a confirmation tone sounds.

Setting the Range Warning Alarm

You can select whether the handset sounds a range warning alarm or not.
The factory preset is 0 (OFF).

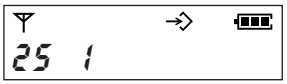
1 Press [→] (Program).

2 Press [2], then [5].

3 To select ON, press [1].
OR
To select OFF, press [0].

- The setting is displayed.

Ex. ON is selected.



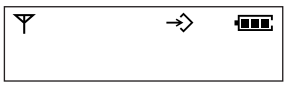
4 When finished, press [→] (Program).

- A confirmation tone sounds.

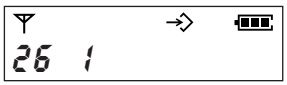
Setting the Battery Low Alarm

You can select whether the handset sounds a battery low alarm or not.
The factory preset is 1 (ON).

1 Press [→] (Program).



2 Press [2], then [6].



3 To select OFF, press [0].
OR
To select ON, press [1].

- The setting is displayed.

Ex. OFF is selected.

4 When finished, press [→] (Program).

- A confirmation tone sounds.

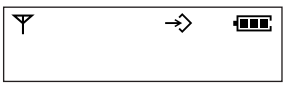
Clearing the Settings in Memory

On the handset

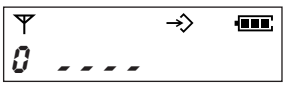
This function enables the handset to clear the following settings at one time. All settings will return to the default settings (shown in brackets).

– Accessing the base unit	0 (Automatic base unit access)
– Key tones	1 (ON)
– Handset ringer volume	(3)
– Handset ringer pattern	(1)
– Call waiting tone	1 (ON)
– Range warning alarm	0 (OFF)
– Battery low alarm	1 (ON)
– Stand-by mode display	1 (Base unit number)
– Talk mode display	1 (Length of the call)
– Call prohibition	0 (OFF)
– Direct call mode	(OFF)
– Direct call number	(Clear)
– Handset password	(0000)
– Receiver volume	(2)
– Redial memory	(All clear)

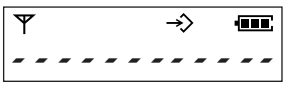
1 Press [→] (Program).



2 Press [0].



3 Enter the handset password (p. 34).



4 When finished, press [→] (Program).

- A confirmation tone sounds.

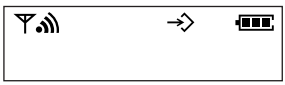
Clearing the Settings in Memory

On the base unit

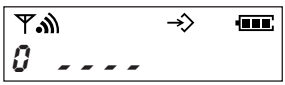
This function enables the base unit to clear the following settings at one time. All settings will return to the default settings (shown in brackets).

- Bell selection 1 (All)
- Dialling mode 1 (TONE)
- Pause timing 1 (3 seconds)
- Call restricted handset(s) (All clear)
- Call restriction number(s) (All clear)
- Base unit password (0000)
- FLASH/EARTH mode 1 (FLASH)

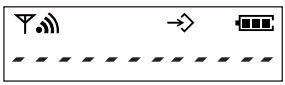
1 Press → (Program), then INT' (Intercom).



2 Press 0.



3 Enter the base unit password (p. 35).



4 When finished, press → (Program).

- A confirmation tone sounds.

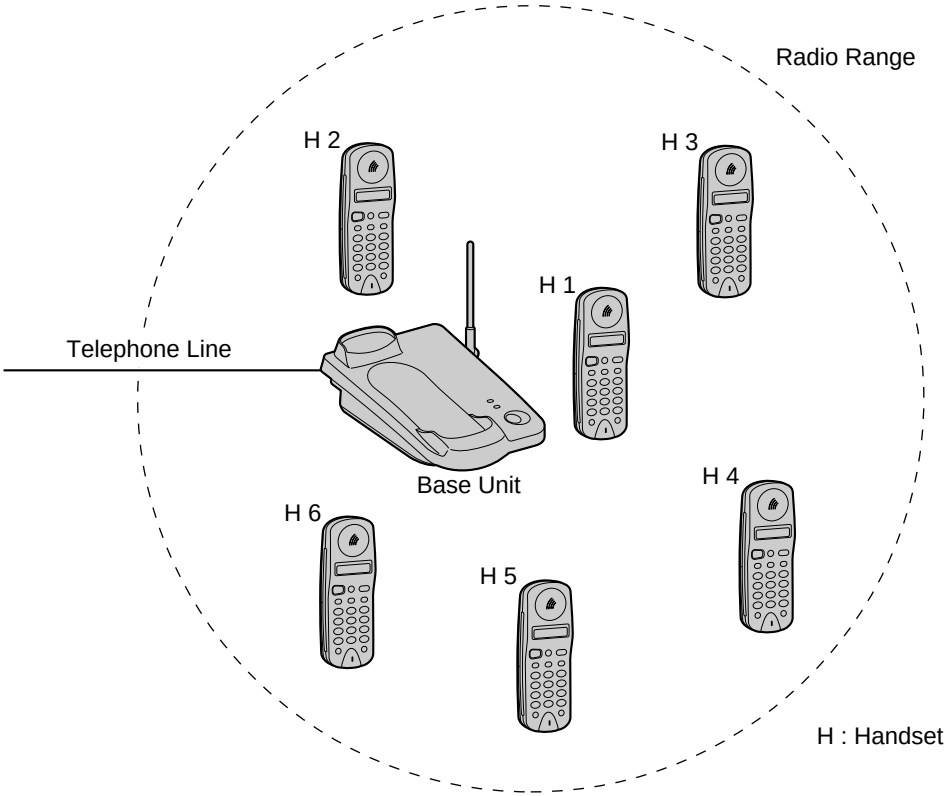
For Optional Multi-Handset Users

Operating More than One Handset

You can register and operate up to 6 handsets in the base unit. Operating more than one handset allows you to have an internal call while simultaneously conducting an external phone call with another handset.

Example: Handset 1 is engaged in an internal call with handset 3.
Handset 2 is engaged in an external call.

The diagram below shows the layout of a base unit with 6 handsets. Each additional handset must be registered in the base unit (p. 48).



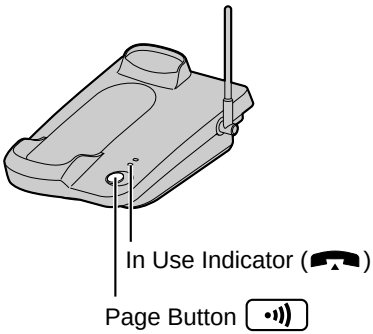
- The optional handset model number is KX-A332CE-B. The functions of an optional handset are the same as the KX-TCD950E-B handset.
- An optional charger, KX-A327E-B, is available at your Panasonic dealer.

Registering a Handset in the Base Unit

Each optional handset that you purchase must be registered in the base unit before use.

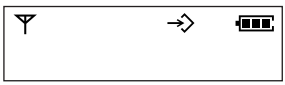
- Charge the optional handset battery for about 3 hours before initial use.
- Be sure that the power is ON (p. 16) and you are in the stand-by mode.
- Register the handset number within 1 minute. If it is not registered within 1 minute, press [→] (Program) on the handset to cancel the programming mode. Then start from step 1 again.

1 Base unit:
Press and hold [•)))] (Page) for more than 10 seconds until the in use indicator ( ) lights.



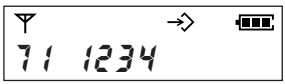
2 Handset:
Press [→] (Program).

- " → " is displayed.



3 Press [7], then [1].

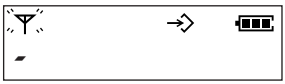
- The base unit numbers where the handset has not been registered are displayed.



4 Press the desired base unit number using buttons [1] to [4].

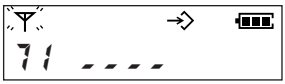
- " ⊤ " flashes.
- While the handset is searching for the base unit, "–" flashes across the display.
- The number is assigned as the base unit number for the handset.

Ex. Base unit 1 is assigned.



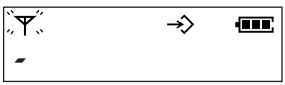
5 Enter the base unit password using a 4 digit number.

- The factory preset of the base unit password is 0000. If you have changed the base unit password (p. 35), enter the new password.



6 When finished, press [→◇] (Program).

- A confirmation tone sounds.
- " ⊤ " stops flashing.
- " →◇ " goes out and the handset is registered in the base unit.
- The base unit number is displayed.
- The in use indicator (☎) on the base unit goes out.

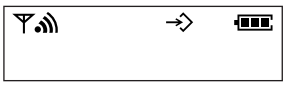


Ex. The handset is registered in base unit 1 .

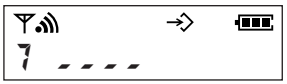
Cancelling a Handset

Each handset can cancel itself or another handset.

1 Press [→] (Program), then [INT'] (Intercom).



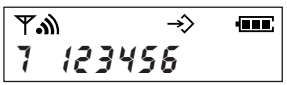
2 Press [7].



3 Enter the base unit password (p. 35).

- The current registered handset number(s) is/are displayed.

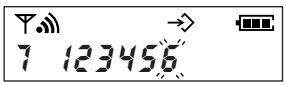
Ex. Handsets 1, 2, 3, 4, 5 and 6 are registered.



4 Press the handset number(s) you wish to cancel using the dialling buttons.

- The selected handset number(s) flash(es).
- If you misdial, press the number(s) again.

Ex. Handset 6 is cancelled.



5 When finished, press [→] (Program).

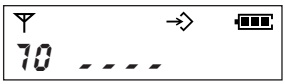
- A confirmation tone sounds.
- The handset number(s) is/are cancelled.

Cancelling a base unit

If the handset is in another radio area and/or the power is OFF when "Cancelling a Handset" on page 50, the previous base unit number still remains in the cancelled handset. Therefore, you need to cancel the base unit registered in **the cancelled handset** by following the steps below.

1 Press [→] (Program).

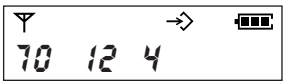
2 Press [7], then [0].



3 Enter the handset password (p. 34).

- The current registered base unit number(s) is/are displayed.

Ex. The handset is registered in base units 1, 2 and 4.



4 Press the base unit number which you wish to cancel using the dialling buttons.

- The selected base unit number flashes.
- If you misdial, press the number again.

Ex. Base unit 2 is cancelled.

5 When finished, press [→] (Program).

- A confirmation tone sounds.
- The base unit number is cancelled.

Selecting the Stand-by Mode Display

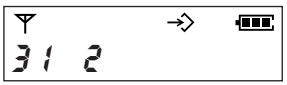
You can select displaying either the base unit number, handset number or no display while in the stand-by mode. The factory preset is 1 (base unit number).

1 Press [→] (Program).

2 Press [3], then [1].
- The current setting is displayed.

3 To select "the handset number", press [2].
OR
To select "no display", press [0].
OR
To select "the base unit number", press [1].

Ex. The handset number is selected.



4 When finished, press [→] (Program).
- A confirmation tone sounds.
- The handset number is displayed.

Bell Selection

There are four types of bell selection. The factory preset is 1 (All handsets).

All handsets (p. 57)
When a call is received, all of the handsets will ring at the same time.

Cyclic (p. 54)
You can make the handsets ring in their handset number order.
(Handset 1, then Handset 2, etc.)
When "Cyclic" is selected, you can select the ring count (1 to 6) for the other handsets. The factory preset is 3 rings.

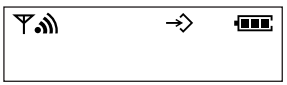
Selecting the handsets (p. 55)
You can select which handset(s) you want to ring.

Selecting the first handset (p. 56)
One handset will ring first, then all of the handsets will ring if the first handset does not answer the call.
You can select which handset will ring first and the ring count (1 to 6) until all of the handsets ring.

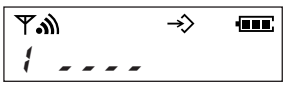
Selecting "Cyclic"

You can make the handsets ring in their handset number order (Handset 1, then Handset 2, etc.). When "Cyclic" is selected, you can select the ring count (1 to 6) for the other handsets. The factory preset is 3 rings.

1 Press → (Program), then INT' (Intercom).



2 Press 1.



3 Enter the base unit password (p. 35).

- The current setting is displayed.

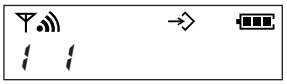
1: All handsets

2: Cyclic

3: Selecting the handset(s)

4: Selecting the first handset

Ex. "All handsets" is selected.



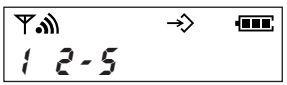
4 Press 2.

- The "Cyclic-current ring count" is displayed.
- If you don't want to change the current "Ring count", go to step 6.

Ex. "Cyclic-3 rings" is selected.

5 Press dialling buttons 1 to 6 to select the ring count.

Ex. "5 rings" is selected.



6 When finished, press → (Program).

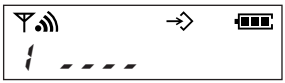
- A confirmation tone sounds.

Selecting the Handsets

You can select which handset(s) you want to ring.

1 Press [→] (Program), then [INT'] (Intercom).

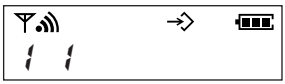
2 Press [1].



3 Enter the base unit password (p. 35).

- The current setting is displayed.

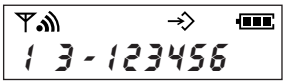
Ex. "All handsets" is selected.



4 Press [3].

- The current registered handset number(s) is/are displayed.
- The current selected handset number(s) is/are flashing.

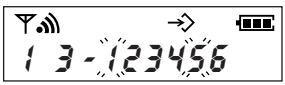
Ex. Handsets 1, 2, 3, 4, 5 and 6 are registered.



5 Press the handset number(s) which you wish to ring using the dialling buttons.

- The selected handset number(s) flash(es).
- If you misdial, press the number(s) again.
- You must enter a handset number. If you do not enter a handset number, [→] (Program) will not be accepted in step 6.

Ex. Handsets 1 and 5 will ring.



6 When finished, press [→] (Program).

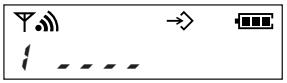
- A confirmation tone sounds.
- To change the handset(s) you wish to ring, repeat from step 1.

Selecting the First Handset

One handset will ring first, then all of the handsets will ring if the first handset does not answer the call. You can select which handset will ring first and the ring count (1 to 6) until all of the handsets ring.

1 Press [→] (Program), then [INT'] (Intercom).

2 Press [1].



3 Enter the base unit password (p. 35).

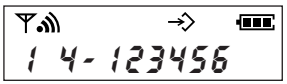
- The current setting is displayed.

Ex. "All handsets" is selected.

4 Press [4].

- The current registered handset number(s) is/are displayed.
- The current selected handset number(s) is/are flashing.

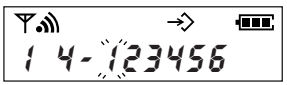
Ex. Handsets 1, 2, 3, 4, 5 and 6 are registered.



5 Press the handset number you wish to ring using the dialling buttons.

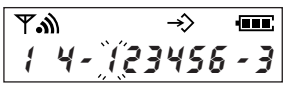
- The selected handset number flashes.
- If you misdial, press the number again.
- You must enter a handset number. If you do not enter a handset number, [→] (Program) will not be accepted in step 6.

Ex. Handset 1 will ring.



6 When finished, press [→] (Program).

- The handset number is stored.
- The current ring count is displayed.



7 Press dialling buttons, [1] to [6] to select the ring count.

Ex. "5 rings" is selected.

8 When finished, press [→] (Program).

- A confirmation tone sounds.
- To change the handset you wish to ring, repeat from step 1.

Selecting All Handsets

When a call is received, all of the handsets will ring at the same time.

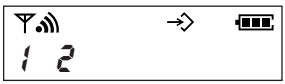
1 Press [→] (Program), then [INT'] (Intercom).

2 Press [1].

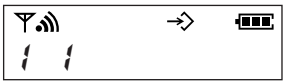
3 Enter the base unit password (p. 35).

- The current setting is displayed.

Ex. "Cyclic" is selected.



4 Press [1].



5 When finished, press [→] (Program).

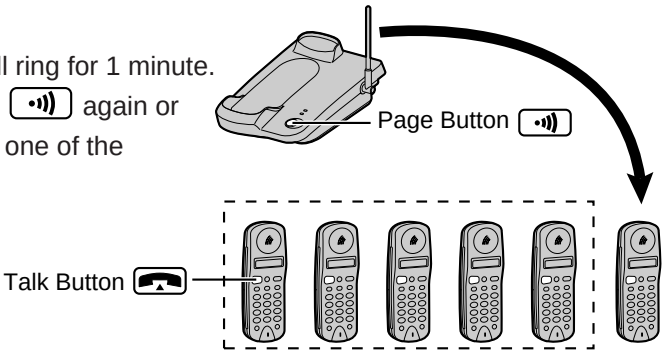
- A confirmation tone sounds.

Paging All Handsets from the Base Unit

The base unit user can page all of the handsets as shown below.

Press (Page).

- All of the handsets will ring for 1 minute.
- To stop paging, press again or press (Talk) on one of the handsets.

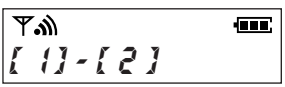


Intercom between Handsets

A 2-way intercom is available between the handsets. (Ex. Handset 1 is paging Handset 2.)

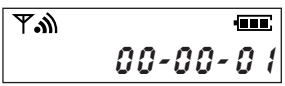
1 Handset 1:
Press INT' (Intercom) and then press the desired handset number using the dialling buttons.

- " " is displayed and the paged handset rings.

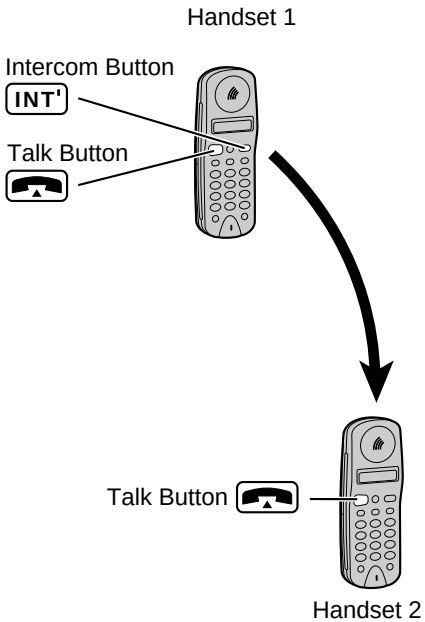


2 Handset 2:
When the unit rings, press (Talk) to answer the page.

- The intercom duration is displayed.



3 Handsets 1 and 2:
To end the intercom, press (Talk).



Transferring a Call from One Handset to Another

The intercom can be used during a call. This feature enables you to transfer a call between the handsets. (Ex. Handset 1 is transferring a call to Handset 2.)

Transferring a call using the intercom

1 Handset 1:
During a call, press INT' (Intercom).
Then press the desired handset number using the dialling buttons.

- The call is put on hold.
- You will hear an internal ring back tone until the other handset answers.
- If there is no answer, press INT' (Intercom) to return to the call.

2 Handset 2:
When the unit rings, press (Talk) to answer the page.

3 Transferring a call:
Handset 1:
Press (Talk).

- The transfer is completed.
  Handset 2 can answer the call.

OR
Ending the intercom:
Handset 1:
Press INT' (Intercom).

- Handset 1 returns to the call.

Transferring a call without an intercom

This feature enables you to transfer the call to another handset without waiting for the handset to answer the page. (Ex. Handset 1 is transferring a call to Handset 2.)

1 Handset 1:
During a call, press INT' (Intercom), then press the desired handset number using the dialling buttons. Press (Talk) to transfer the call.

- The call is put on hold.

2 Handset 2:
When the unit rings, press (Talk) to answer the call.

- The transfer is completed.

- If the paged handset does not answer within 30 seconds, a ring tone sounds at the paging handset. The paging handset can return to the call by pressing (Talk).

Conference

During a conversation with the handset, you can make an intercom call to another handset and then combine the calls together to establish a conference call.

1 Handset 1:
During a call, press INT' (Intercom). Then press the desired handset number using the dialling buttons.

- The call is put on hold.
- If there is no answer, press INT' (Intercom) to return to the call.

2 Handset 2:
When the unit rings, press (Talk) to answer the page.

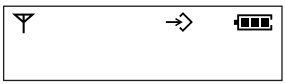
3 Handset 1:
Press 3 to establish a conference call.

4 Handset 1 or 2:
Press (Talk) to end the conference call.

Setting the Call Waiting Tone

If an incoming call has been received during an intercom between handsets, a call waiting tone sounds. You can select whether this tone will sound or not. The factory preset is 1 (ON).

1 Press [→] (Program).



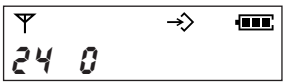
2 Press [2], then [4].

- The current setting is displayed.

3 To select OFF, press [0].
OR
To select ON, press [1].

- The setting is displayed.

Ex. OFF is selected.



4 When finished, press [→] (Program).

- A confirmation tone sounds.

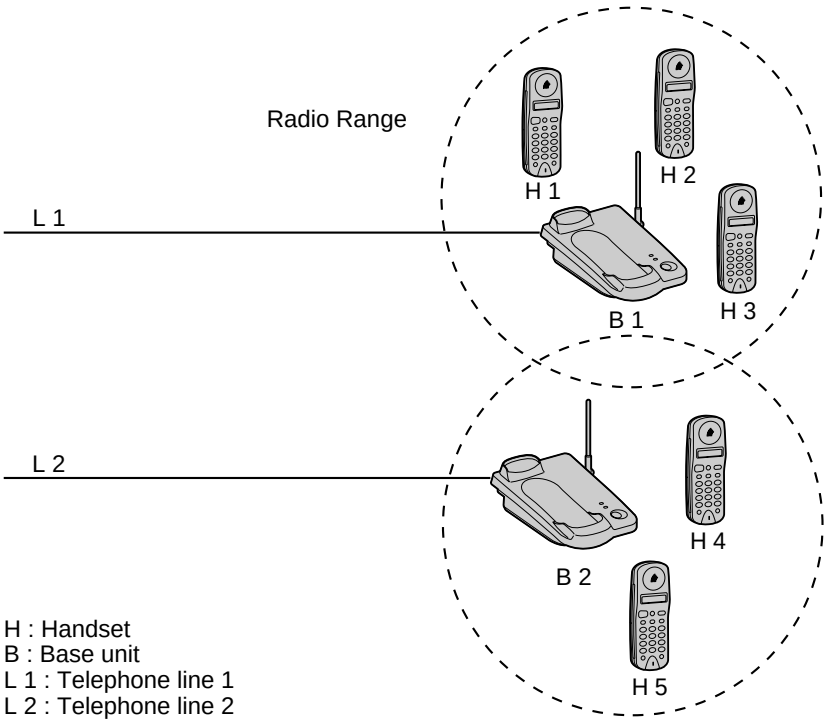
For Optional Multi-KX-TCD950E-B Users

Operating More than One Base Unit

You can register and operate your handset (KX-A332CE-B) at up to 4 KX-TCD950E-B base units. Since each base unit forms a radio cell, you can extend the range or area in which you can make/answer calls with the same handset by placing the base units in suitable locations.

Operation example:

The example below shows two base units connected to 2 lines.

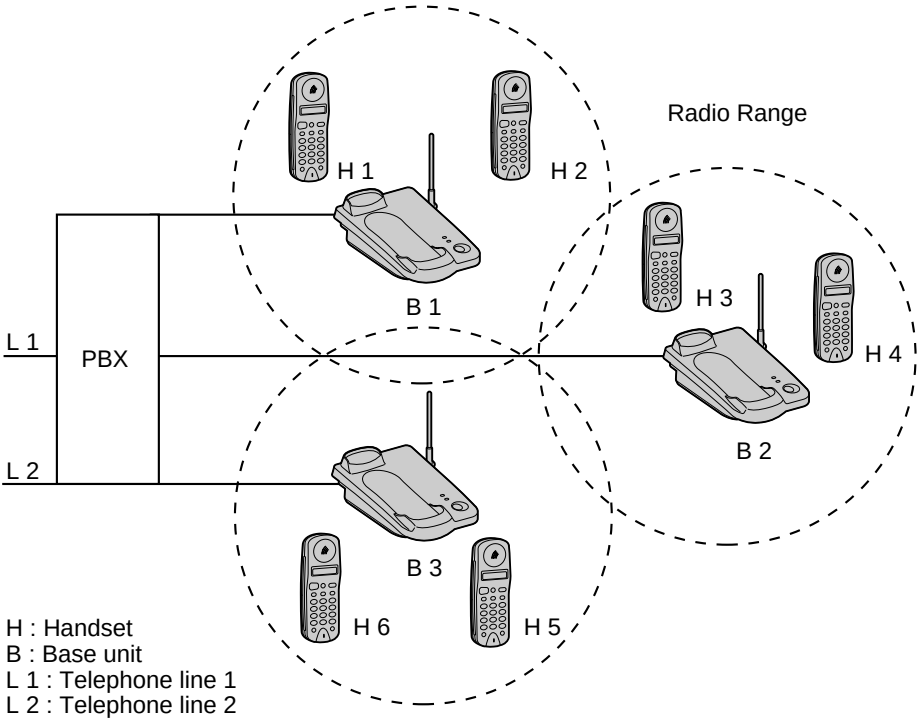


H : Handset
B : Base unit
L 1 : Telephone line 1
L 2 : Telephone line 2

You can receive incoming calls at any handset located within either base unit's radio cell. You can make outgoing calls from any handset within the entire radio area using the same telephone line. For example, you can use a handset in different radio areas, such as at home or the office.
Each handset must be registered at both base units (p. 66). You can register up to 6 handsets at each KX-TCD950E-B base unit.

Connecting several base units to a PBX

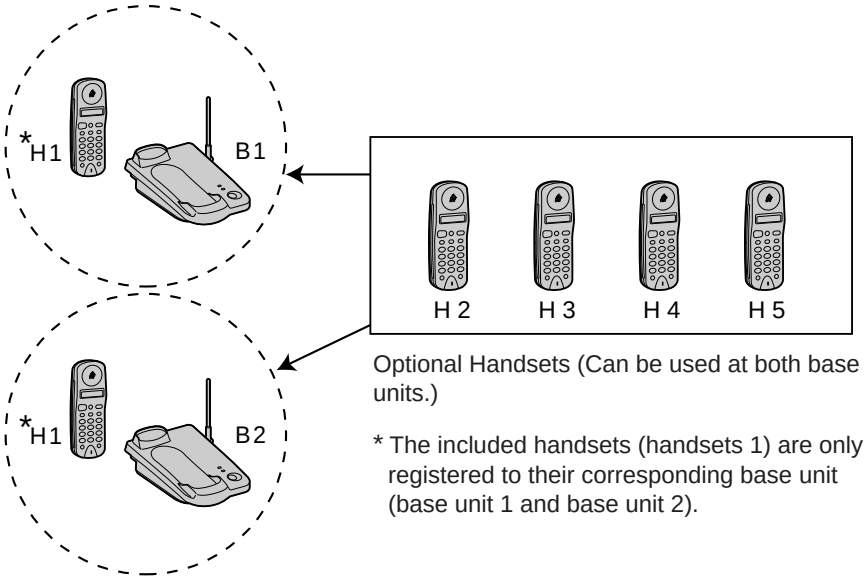
The example below shows a telephone system with 2 lines shared by 6 handsets which are registered in all 3 base units (p. 66).



You can make outgoing calls via phone line L1 or L2 within the radio area of all 3 base units.
Incoming calls can be received at all handsets (with a PBX set up accordingly) regardless of where they are currently located within the radio area covered by the base units.

For Optional Multi-KX-TCD950E-B Users

Organizing multiple handsets at more than one base unit

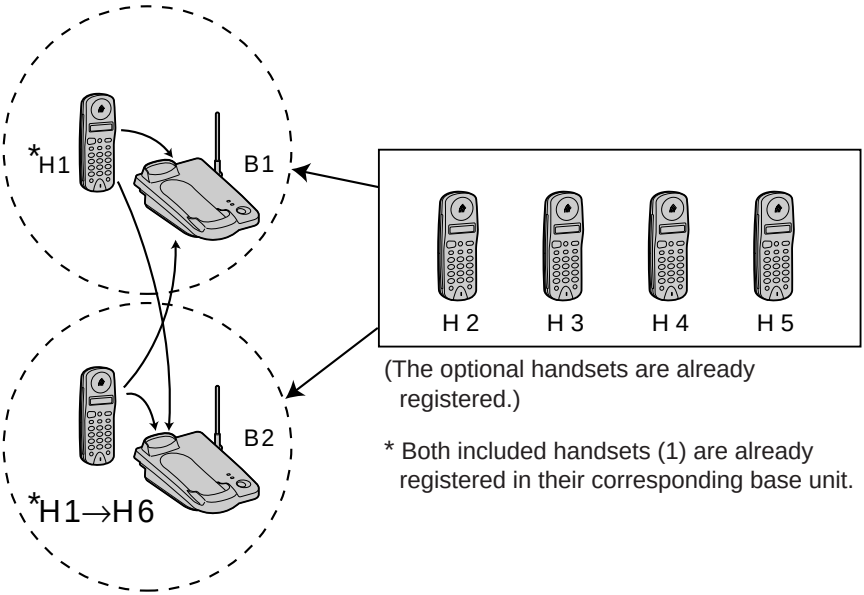


Optional Handsets (Can be used at both base units.)

* The included handsets (handsets 1) are only registered to their corresponding base unit (base unit 1 and base unit 2).

Example:
4 optional KX-A332CE-B handsets are added to 2 KX-TCD950E-B base units. To use the same additional handset number in both base unit areas, follow the steps below to register the handsets.

1. Determine the base unit number.
   • Define which base unit is number 1 and number 2.
2. Determine the optional handset numbers.
   • Define which optional handsets are numbers 2–5.
3. Register all of the optional handsets (2–5) in base unit 1 starting in order with handset number 2. (See page 66.)
4. Register all of the optional handsets (2–5) in base unit 2 in the same order as registered in base unit 1.



(The optional handsets are already registered.)

* Both included handsets (1) are already registered in their corresponding base unit.

In order to use both of the included handsets in base units 1 and 2, follow the steps below to register the handsets.

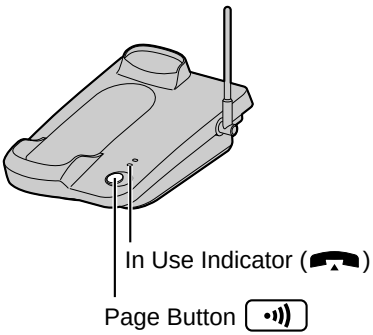
1. Cancel the included handset for base unit number 2. (See page 50.)
2. Register base unit 1's included handset in base unit number 2. That handset will also be registered as handset number 1 for base unit number 2.
3. Register the previous cancelled handset in both base units. That handset will be registered as handset number 6 for both base units.

Registering at More than One Base Unit

You can register and operate your handset (KX-A332CE-B) at up to 4 KX-TCD950E-B base units. If the handset is used with another base unit, it must be registered in that base unit before use.

- Be sure that the power is ON (p. 16) and you are in the stand-by mode.
- Register the handset number within 1 minute. If it is not registered within 1 minute, press [→] (Program) on the handset to cancel the programming mode. Then start from step 1 again.

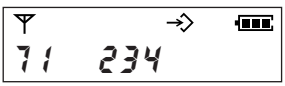
1 Base unit where you want to register the handset:
Press and hold [•)))] (Page) for more than 10 seconds until the in use indicator ( ) lights.



2 Handset:
Press [→] (Program).

3 Press [7], then [1].
- The base unit number(s) where the handset has not been registered is/are displayed.

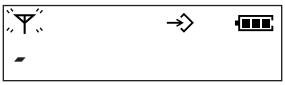
Ex. Base units 2, 3 and 4 have not been registered.



4 Press the desired base unit number using buttons [1] to [4].

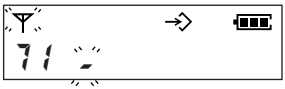
- " ⊤ " flashes.
- While the handset is searching for the base unit, "–" flashes across the display.
- The number is assigned as the base unit number for the handset.

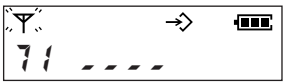
Ex. Base unit 2 is selected.



5 Enter the base unit password using a 4 digit number.

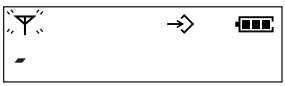
- The factory preset of the base unit password is 0000. If you have changed the base unit password (p. 35), enter the new password.



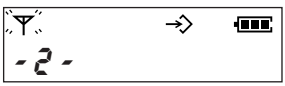


6 When finished, press [→] (Program).

- A confirmation tone sounds.
- " ⊤ " stops flashing.
- The handset is registered in the base unit.
- The base unit number is displayed.
- The in use indicator ( ) on the base unit goes out.



Ex. The handset is registered in base unit 2 .



➡ For Optional Multi-KX-TCD950E-B Users

Notes on using the handset(s) at more than one base unit

- The base unit number which the handset is currently in contact with can be displayed in the stand-by mode (p. 52).
  Calls (both incoming and outgoing) can be conducted only via the displayed base unit (even if the radio areas overlap with neighbouring base units).
- Intercom calls can be conducted within the radio area of the current base unit, but not with units in neighbouring radio areas.
- If the handset moves to another radio area, it loses contact with the previous base unit and a radio link with the new base unit is set up automatically. ("Automatic base unit access"–see p. 69).
  Calls in progress are cancelled when the unit moves to another radio area.
- You can deactivate "Automatic base unit access" at a base unit. By selecting "Specified base unit access" (p. 69), you can choose the base unit where you want the handset to operate. This is important in the overlap area between two radio areas. Here you can choose the base unit/telephone line from which you can make/receive outgoing calls.

Accessing the Base Unit

Automatic base unit access

The handset automatically selects a registered base unit.

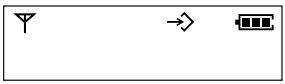
- When the handset moves to another base unit radio area, it loses contact with the previous base unit and automatically accesses the new base unit radio area.
- If the handset is in the overlap area between several base unit radio areas, the handset will access the base unit in the order of the base unit numbers.

Specified base unit access

You can only select one of the registered base units (1 to 4).

The factory preset is 0 (automatic base unit access). To change the mode, program as follows.

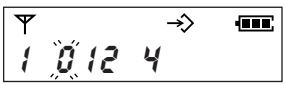
1 Press [→] (Program).



2 Press [1].

- The current registered base unit number(s) is/are displayed.
- The current accessed base unit number is flashes.
  Specified base unit access
  (The registered base unit number): [1] to [4]
  Automatic base unit access: [0]

Ex. "Automatic base unit access" is selected.



3 Press the desired base unit access using buttons [0] to [4].

- If you misdial, press the number again.

Ex. Base unit 4 is selected.

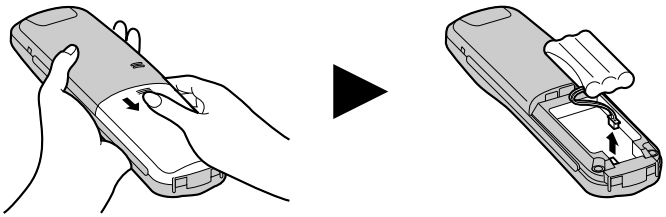
4 When finished, press [→] (Program).

- A confirmation tone sounds.
- The selected base unit number is displayed.
- To change the setting, repeat from step 1.

Replacing the Battery

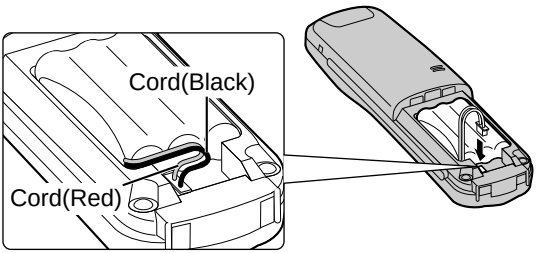
If " " flashes after a few telephone calls even when the handset battery has been fully charged, it is time to change the battery with a new one. **Remember to charge the new battery after battery replacement.**

1 Turn the power OFF to prevent memory loss (p. 16).
Remove the handset cover, then remove the battery.



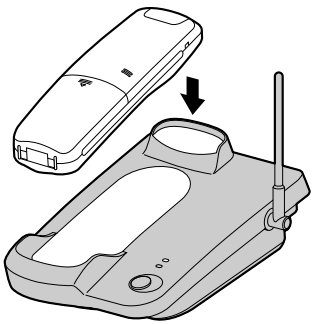
2 Replace the battery with a new one as shown.

- When you finish, close the handset cover and turn the power ON (p. 16).



3 Be sure to charge the new battery for 3 hours.

- If you do not charge the new battery, " " will not be displayed correctly.



- Discard a defective battery as soon as possible. A defective battery may leak into the unit.
- Please use only a Panasonic KX-TCA10CE battery.
- If the rechargeable battery is not inserted correctly, the handset will not work.

Caution:

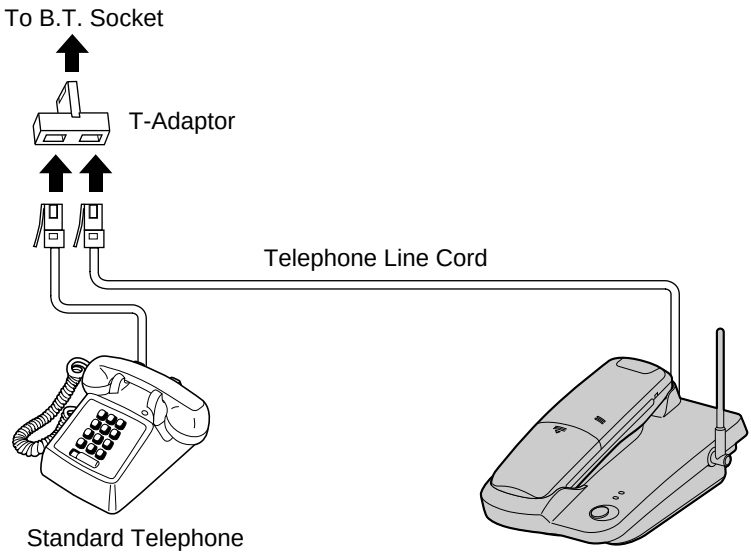
To reduce the risk of fire or injury to persons, read and follow these instructions.

1. Use only the battery specified.
2. Do not dispose of the battery in a fire. It may explode. Check with local waste management codes for special disposal instructions.
3. Do not open or mutilate the battery. Released electrolyte is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.
4. Exercise care in handling the battery in order not to short the battery to conductive materials such as rings, bracelets, and keys. The battery and/or conductor may overheat and cause burns.
5. Charge the battery provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.

- See "Important Notice Concerning the Correct Use and Charging of a Ni-MH Battery" on p. 77.

Adding Another Phone

This unit will not function during a power failure. To connect a standard telephone on the same line, use a T-adaptor.



Before Requesting Help

Problem	Remedy
The unit does not work.	• Check the settings (p. 12–18). • Charge the battery fully (p. 14). • Clean the charge contracts and charge again (p. 15). • The handset has been cancelled or the handset has not been registered. Register the handset number (p. 48, 66). • Unplug the AC adaptor and turn the power OFF to reset. Reconnect the AC adaptor and turn the power ON. Then try again. • Re-install the handset battery and try again.
The handset does not operate or ring.	• The power is OFF. Turn the power ON (p. 16).
An alarm tone sounds when you press (Talk).	• You are too far from the base unit. Move closer and try again. • Plug in the AC adaptor. • Raise the base unit antenna.
A busy tone sounds when you press (Talk).	• If more than one handset is registered, another handset is in use.
"" flashes during a conversation and the call is disconnected.	• The handset is out of range. Move closer to the base unit and make the call again. • Make sure that the AC adaptor is connected.

Problem	Remedy
You cannot dial.	• The dialling mode setting is incorrect. Please check the dialling mode (p. 17). • The unit is in the call prohibition mode. To cancel the mode, see page 37. • The number which you dialled is restricted. To cancel the number, see page 39. • Key lock mode is set. To cancel the mode, see page 32.
Static, sound cuts in/out, fades. Interference from other electrical units.	• Locate the handset and base unit away from other electrical appliances (p. 5). • Move closer to the base unit. • Raise the base unit antenna.
You cannot store a phone number in memory.	• You cannot store a phone number while the unit is in the talk or intercom mode. • Do not pause for over 60 seconds while storing.
While programming, the unit starts to ring and stops the program.	• To answer the call, press (Talk). Start from the beginning after hanging up.
(Page) does not function.	• The handset is too far from the base unit. • The handset is engaged in an outside call. Wait until the in use indicator ( ) goes out.

Problem	Remedy
The paged handset does not answer.	• The paged handset is not in the same radio area. • The paged handset is engaged in an outside call. • The handset number has been cancelled or the handset has not been registered. Register the handset in the base unit (p. 48, 66).
You cannot program items, such as the dialling mode.	• Programming is not available while the unit is in the talk or intercom mode.
While using the intercom between handsets, a call waiting tone sounds.	• A call has been received. To answer the call, first end the intercom, then press (Talk).
(Redial/Pause) does not function properly.	• The button has a double function as either redial or pause. It will redial the last number dialled if pressed at the outset of a call (p. 21, 22). If another number has been dialled first, it will operate as a pause button (p. 29).
The unit misdials when connected to a PBX.	• Check the pause function (p. 29).

Problem	Remedy
You cannot register the handset number.	• 6 handsets are already registered in the base unit. • 4 base units are already registered in the handset. • A wrong base unit password was entered. Enter the correct password. • There is interference from other electrical units. Set the handset and base unit away from them. • You must register the handset number within 1 minute or programming will be cancelled.
" " flashes or beeps tones sound every 15 seconds.	• Charge the battery fully (p. 14).
You charged the battery fully, but " " flashes.	• Clean the charge contacts and charge again (p. 15). • Install a new battery (p. 70, 77).
The charge indicator ( ) light never goes out while charging.	• This is normal.
The unit does not work during a power failure.	• This unit will not work during a power failure. We recommend you connect a standard telephone and use it during a power failure.

Safety Instructions

Take special care to follow the safety suggestions listed below.

Safety

1) Power Source: The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the unit.
2) Non use Periods: When the unit is not used, turn the power off. When left unused for a long period of time, the base unit should be unplugged from the household AC outlet.

Installations

Environment

1) Water and Moisture: Do not use this unit near water—for example, near a bathtub, washbowl, sink, etc. Damp basements should also be avoided.
2) Heat: The unit should be kept away from heat sources such as radiators, cookers, etc. It also should not be placed in rooms where the temperature is less than 5°C (41°F) or greater than 40°C (104°F).

Placement

1) Stacking: Do not place heavy objects on top of this unit.
2) Foreign Material: Care should be taken so that objects do not fall onto and liquids are not spilled into the unit. Do not subject this unit to excessive smoke, dust, mechanical vibration, or shock.
3) Surface: Place the unit on a flat surface.

For best performance

1) If noise prevents the conversation from being understood at the handset, move toward the base unit to reduce the noise.
2) The handset should be used at the HIGH volume setting when the other party sounds quiet.
3) The handset should be fully recharged on the base unit when " " on the display flashes.
4) The maximum calling distance may be shortened when the unit is used in the following places: Near obstacles such as hills, tunnels, underground, near metal objects such as wire fences, etc.

WARNING:

TO PREVENT THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY TYPE OF MOISTURE.

Important Notice Concerning the Correct Use and Charging of a Ni-MH Battery

Batteries, due to their construction, undergo some wear and tear. The life of a battery also depends on correct maintenance. Charging and discharging are the most important factors. You should take notice of the following to maintain battery life for as long as possible.

A Ni-MH battery has the "memory effect". If a fully charged battery is used several times only for 15 minutes in the handset and then recharged, the capacity of the battery will be reduced to 15 minutes due to this effect. Therefore, you should discharge the battery completely, i.e. use it in the handset until " " on the display starts flashing. Then recharge it as described in the manual. After the memory effect has occurred, it is possible to achieve almost full capacity from the Ni-MH battery by charging and discharging several times one after another.

A Ni-MH battery can also self-discharge which depends on the ambient temperature. At temperatures under 0°C, it will be at its lowest. At high humidity and high temperatures, it will be at its highest. Also long-term storage will lead to self-discharge. An exhausted Ni-MH battery should not be disposed of normally. It contains toxic heavy metal Hydride and therefore should be recycled.

Dear purchaser,

You have acquired a KX-TCD950E-B, which is a product made in regard with the European Standards for Cordless Telephones (DECT). DECT technology is characterised by high-security protection against interception as well as high-quality digital transmission.

This telephone was designed for a wide range of applications.

For example, this telephone can be used within a network of base units and handsets, constituting a telephone system which:

- operates up to 6 handsets from one base unit
- allows intercom between 2 handsets
- allows a handset to operate from 4 base units, expanding the communication radio area.

This telephone may be used for:

- operating several handsets
- operating from several base units
- connecting the base unit to a PBX.

Term Definitions

DECT

The abbreviation DECT means "Digital Enhanced Cordless Telecommunications".

Advantages of DECT

Excellent voice quality: Through sampling of digital signals DECT-units obtain nearly noiseless transmission.

High grade taping security: Based on digital transmission DECT-conversations are well protected against unauthorised monitoring.

Multi-Handset operation: There is no cable installation necessary when several handsets are operating at the base units.

Interlink: Intercom conversations can be held free of charge between the registered handsets.

Functions like a PBX: (Like a PBX-system, functions can be performed during an external call), e.g. handle one internal call or transferring an outside call to another handset.

Multi-Base station operation: More than one handset can be registered to several base units, e.g. for private and office applications.

Equipment Manufacturer's Code (EMC)

For definite identification, this unit is prepared with an EM Code which can be applied to future operators in mobile networks.

GUARANTEE
CONDITIONS OF GUARANTEE

This guarantee is in addition to and does not in any way affect any statutory or other rights of consumer purchasers. If within the applicable guarantee period, the appliance proves to be defective by reason of faulty design, workmanship or materials, we undertake subject to the following conditions to have the defective appliance (or any part or parts there of) repaired or replaced free of charge.

1. The appliance shall have been purchased and used solely within the UK and in accordance with standard operating instructions and the technical and/or Safety Standards required in the UK.
2. The appliance should be returned together with this guarantee and proof of date of purchase promptly on being found defective at the purchaser's risk and expense to the authorized dealer from whom the appliance was purchased or to the nearest authorized dealer. All enquires must be through such dealers.
3. This guarantee shall not apply to damage caused through fire, accident, lightning, misuse, wear and tear, neglect, incorrect adjustment or repair, to damage caused through installation, adaption, modification or use in an improper manner or inconsistent with the technical and/or safety standards required in the country where this appliance is used, or to damage occurred during transit to or from the purchaser.
4. If at any time during the guarantee period any part or parts of the appliance are replaced with a part or parts not supplied or approved by us or of an objective quality safe and suitable for the appliance, or the appliance has been dismantled or repaired by any person not authorized by us, we shall have the right to terminate this guarantee in whole or in part immediately without further notice.
5. The purchaser's sole and exclusive remedy under this guarantee against us is for the repair or replacement of the appliance or any defective part or parts and no other remedy, including, but not limited to, incidental or consequential damage or loss of whatsoever nature shall be available to the purchaser.
6. This guarantee shall not apply to cassette tapes, batteries and any other items of limited natural life.
7. Our decision on all matters relating to complaints shall be final. Any appliance or defective part which has been replaced shall become our property.
8. The guarantee period applicable to this product shall be 12 months.

Please keep these Operating Instructions with your receipt.

Panasonic Business Systems U.K.

Receipt No. Date of Purchase

Model No. **KX-TCD950E-B**

MODEL No. KX-TCD950E-B

CE

73/23/EEC
89/336/EEC
92/31/EEC
93/68/EEC

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